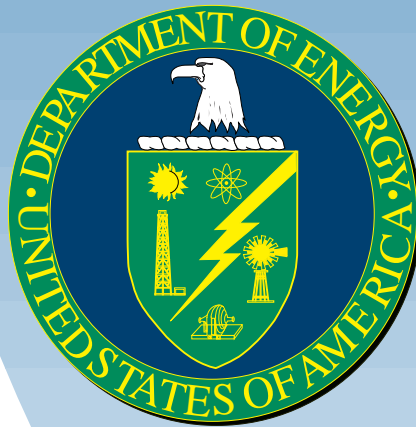


**BRIEFING
ON THE
OFFICE OF WORKER HEALTH AND SAFETY
(EH-5)**



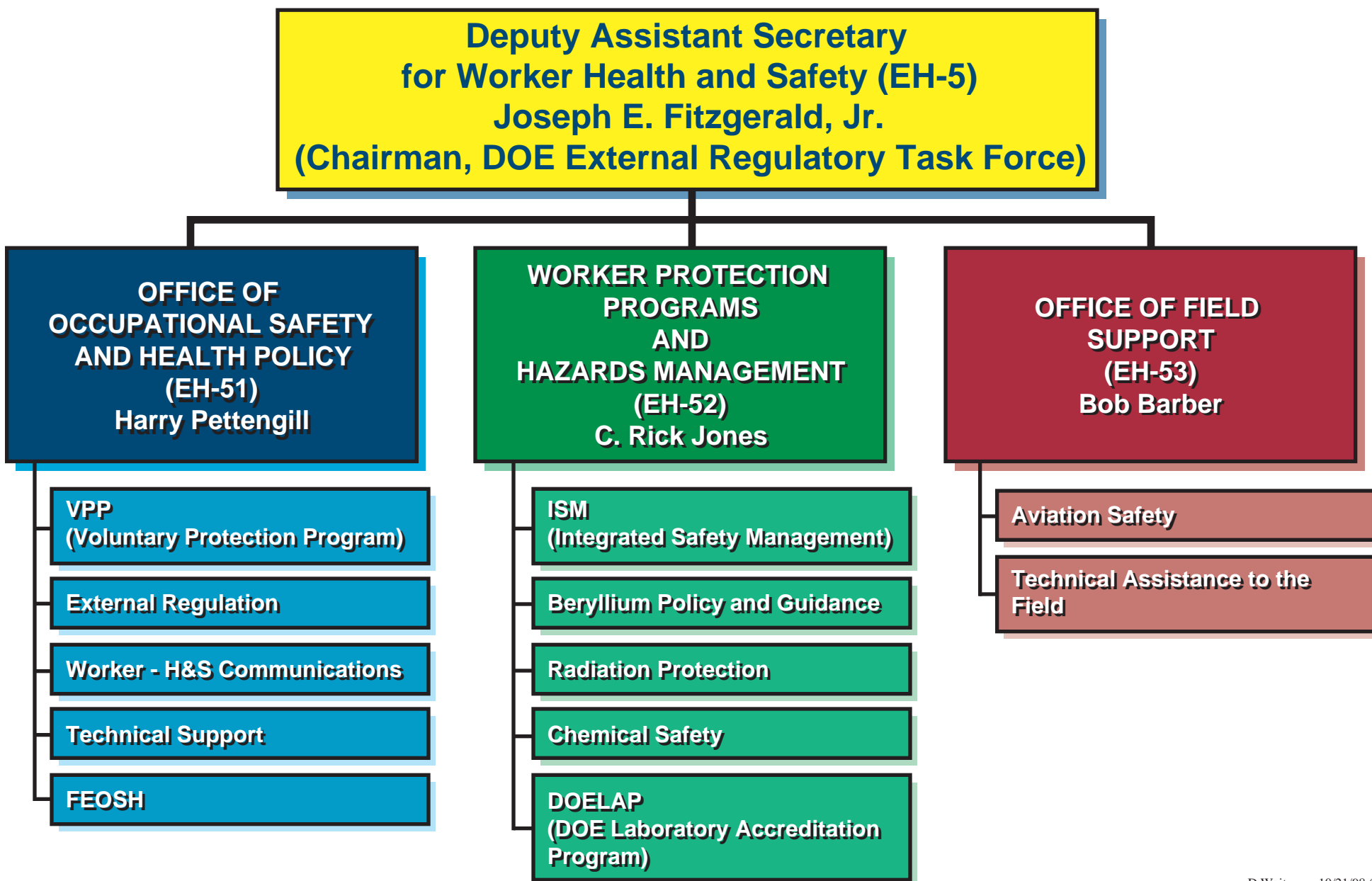
**David J. Weitzman
IHCC Meeting
October 21, 1998**



Proposed Agenda

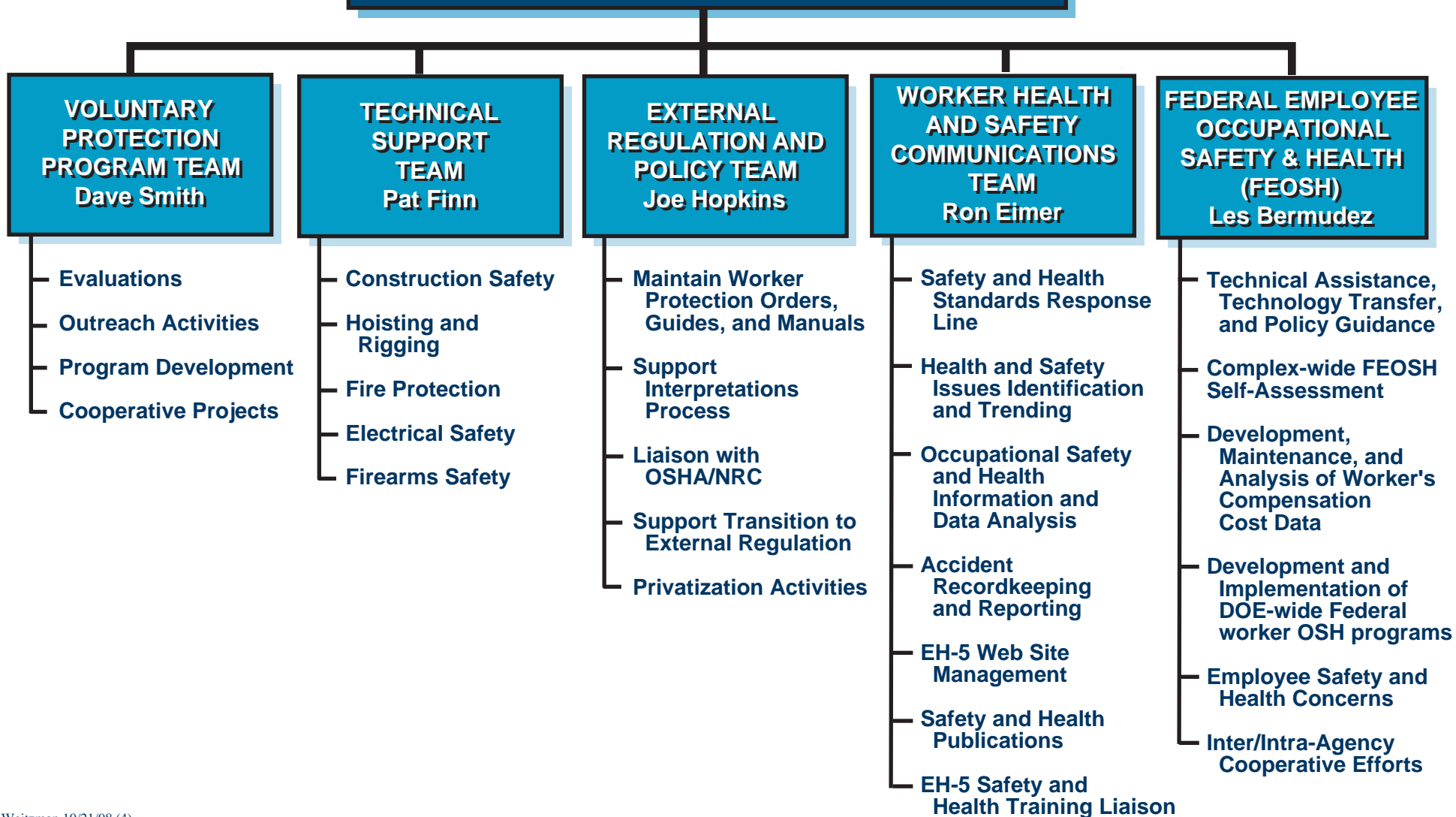
- **About the Office of Worker Health and Safety (EH-5)**
- **Strategic DOE safety and health issues**
- **Future directions**

FY 1999 OFFICE PROGRAMS



FY 1999 OFFICE PROJECTS

OFFICE OF OCCUPATIONAL SAFETY AND HEALTH POLICY (EH-51) Director: Harry Pettengill



FY 1999 OFFICE PROJECTS

Office of Worker Protection Programs and Hazards Management (EH-52) Director: C. Rick Jones

BERYLLIUM WORKER PROTECTION Jackie Rogers

- Rulemaking and Policy
- Guidance
- Exposure Assessment
- Communications

CHEMICAL SAFETY TEAM Ken Murphy

- Issue Resolution
- Best Practices Replication
- Center for Chemical Process Safety
- Policy and Standards
 - Life Cycle Management
 - Explosive Safety
 - Pressure Safety
- Occurrence Reporting and Lessons Learned

HAZARDS MANAGEMENT Robert (Bob) Loesch

- DOE Laboratory Accreditation Program (DOELAP)
- Bioassay/Internal Dosimetry
- Annual Worker Radiation Exposure Report

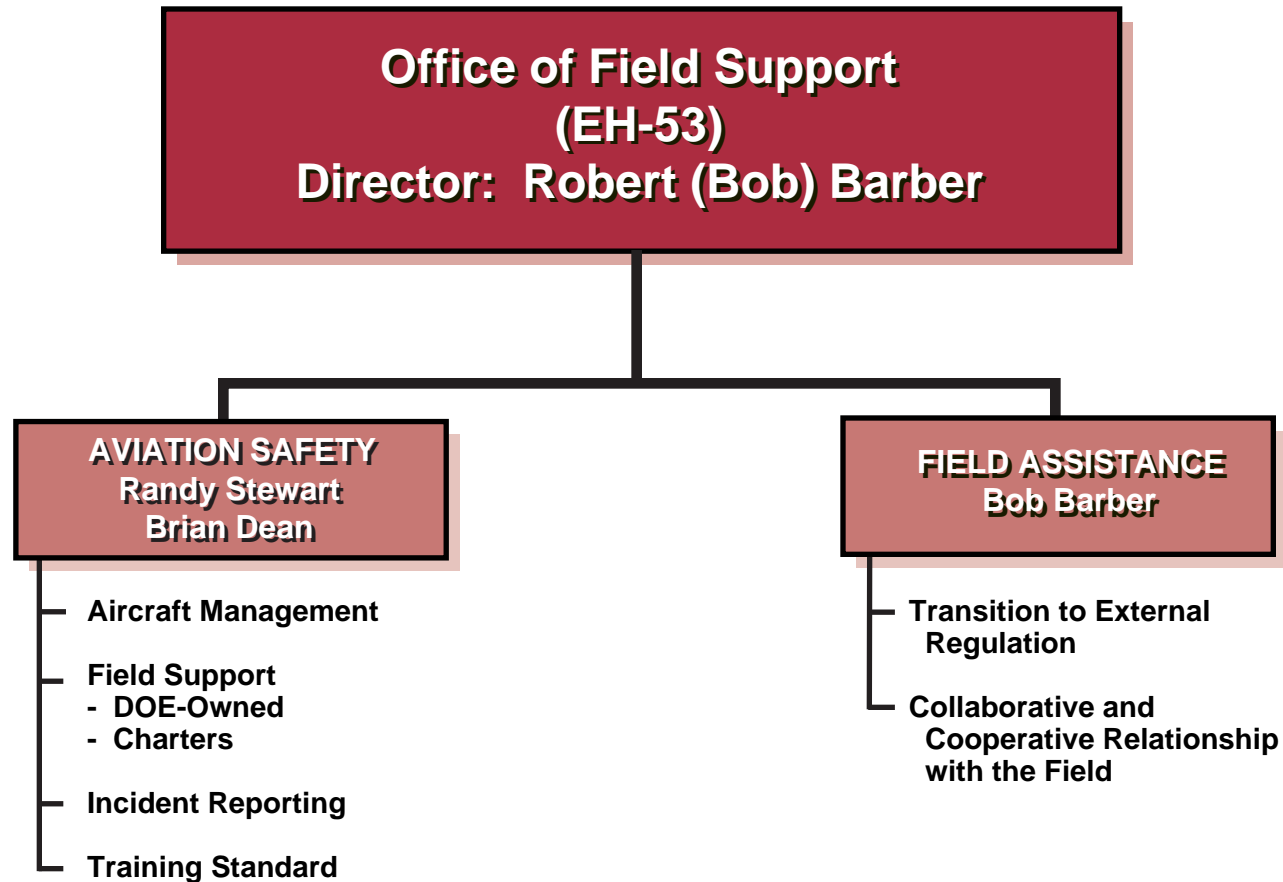
INTEGRATED SAFETY MANAGEMENT (ISM) Bill McArthur

- Laboratory Model
- Enhanced Work Planning (EWP)
- Performance Measures
- Lessons Learned
- Verification Team Support
- Worker Involvement
- Behavioral Safety Model
- Communications

WORKER PROTECTION Joel Rabovsky

- Radiation Protection 10CFR835
- 13 Implementation Guides
- 4 Technical Standards
- 16 Training Courses
- Occurrence Reporting Analysis
- Emergency Response
- Radiological Controls Coordinating Committee (RCCC)
- Liaison with National and International Standards Bodies

FY 1999 OFFICE PROJECTS



STRATEGIC PLAN

OFFICE OF WORKER HEALTH AND SAFETY (EH-5)

VISION: *We will lead DOE's pursuit of excellence in health and safety performance and will be sought after for corporate services, information and professional expertise in support of the Department's mission*

Goal One:
Establish EH-5 as the corporate entity for crosscutting Safety and Health activities for the Department.

- Policy and Guidance
- Corporate Services
- Regulatory Liaison and Advocacy
- Technical Assistance

Goal Two:
Establish EH-5 as a key contributor for the transition and implementation of external regulation.

- Institutional interface with health and safety external regulators
- Internal capacity on regulatory approaches and transition issues
- Partnership with line management for transition

Goal Three:
Advance EH-5's role in Integrated Safety Management (ISM) by providing support and leadership to DOE line programs.

- Laboratory ISM Model
- Performance Measures
- Lessons Learned & Feedback
- Verification Teams support
- Worker Involvement
- Human Factors
- Information Exchange

Goal Four:
Establish an enhanced capability to access safety and health data and implement unique analysis capabilities in order to maintain awareness of Departmental safety and health activities and issues.

- Collect, analyze, interpret, disseminate health and safety information
- Response to health & safety queries
- Efficient health & safety communications technologies
- Corporate approach



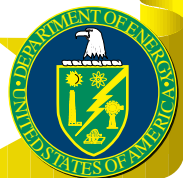
What The Office *IS*:

- **DOE's corporate "advocate" for worker safety**
- **Core professional resource**
- **Bridge to private industry and regulators**
- **Prime partner with line programs (HQ, field, labs)**
- **Nexus for promoting worker participation**
- **Innovator in making "safety pay"**
- **Corporate Resource**



What The Office Is NOT:

- **An overseer or enforcer**
- **Satisfied with status quo**
- **Thinking "inside the box"**



DOE's Corporate "Advocate" For Worker Safety

Represents and advances safety perspective in DOE forums and decisionmaking

Recent Examples:

- EH-5 lead on External Regulation and Privatization Issues with OSHA - since 1993**
- EH-5 lead on Beryllium Worker Protection Policy - since 1995**
- DAS on DOE Working Group to Review External Regulation (Safety Expert) - 1996**
- EH-5 leading DOE Task Force and Working Groups for External Regulation, by NRC - since 1998**
- EH-5 advancing worker protection in Integrated Safety Management - 1998**



DOE's Core Professional Resource

Possesses "critical mass" of corporate safety professionals - 50 strong

For example:

- **Health physicists**
- **Industrial hygienists**
- **Safety engineers**
- **Fire protection engineers**
- **Aviation safety specialists**
- **Explosives experts**
- **Chemical safety specialists**



Bridge To Private Industry And Regulators

Institutional linkages promote communication, collaboration, and information flow

For example, EH-5 responsible for:

- Interface with OSHA (various MOUs) and Nuclear Regulatory Commission (NRC)**
- Cooperative agreement with Chemical Manufacturers Association**
- DOE membership in industry's Voluntary Protection Program Participants' Association (with EPA, OSHA, DOI, DOD (Army))**
- DOE's leadership role in interagency work group on aviation safety (with GSA, FAA and other Federal Agencies)**



Prime Partner With Line Programs

Partner of choice in Headquarters, field, and laboratory collaborations on safety improvement

A sampler for 1997/1998:

- **Requested by ER-1 and CH to be on Brookhaven SEB**
- **Requested by Energy Research (ER) to support Brookhaven Integrated Safety Management implementation**
- **Requested by Ohio Operations Office to assist on bioassay program issues at Mound facility**
- **Sponsored national laboratories desire to adapt VPP to laboratory safety practices**
- **Requested by Kirkland Area Office to assist Sandia and Los Alamos National Lab in implementing ISM**
- **Requested by FE-1 to upgrade Federal worker safety at Albany, Oregon**
- **Requested by Western Area Power Administration to enhance aircraft safety program**



Nexus For Promoting Worker Participation

Focal point for labor on safety matters; have fundamentally improved culture of worker involvement at DOE sites

An illustration:

- **Partnerships with 10 DOE sites for VPP, 12 sites for EWP, and multiple sites for self assessment**
- **Facilitated resolution of worker safety concerns, e.g.,**
 - **Mound re: bioassay discrepancies**
 - **Fernald re: contractual safety provisions**
 - **Idaho re: fire protection staffing**
 - **Oak Ridge re: privatization**
 - **Oak Ridge and Rocky Flats re: beryllium exposure**
 - **Berkeley and Idaho re: self assessment**
- **Information exchange— International and local DOE union representatives on worker safety**



DOE Worker Health And Safety

DOE Strengths

- Improving overall DOE injury and illness performance; some contractors are "world class" performers
- Most DOE sites are active participants in VPP, Responsible Care[®], other "safety excellence" programs
- Improving performance measures in contracts
- Agreement on DOE Integrated Safety Management System



Innovator In Making "Safety Pay"

Breaking the mold and stovepipes across DOE to improve safety management

- Established first ES&H budget prioritization for DOE since 1992
- Established VPP in 1994; 20 participating contractors at 10 sites, with 70% of workforce — 2 "STAR" sites and 1 "MERIT" site; 2 sites awaiting approval and 3 sites pending review
- Established Enhanced Work Planning in 1995; major DOE sites have adopted – Vice Presidential Hammer award, July 1997
- 4-way partnerships with OSHA, NRC, and field to advance regulatory transition
- "Closing the loop" for ISM implementation at the working/task level

Common thread — teaming with line programs and workers; outcome-oriented; making "safety pay"



DOE Worker Health And Safety

DOE Weaknesses

- **Integrated Safety Management not reality yet - at the working level (recent Idaho accident illustrative)**
- **Line management accountability for safety still lags**
- **Awareness of, and managerial controls for, emerging cleanup hazards still nascent (accident rates increasing as construction-type activities increase)**
- **Rapid pace of privatization, subcontracting, and contract reforms coupled with downsizing perturbs stability which perturbs safety — Strong Safety Management is key**



DOE Worker Health And Safety

Stakeholder Safety Concerns/Issues

Defense Nuclear Facilities Safety Board (DNFSB):

ISM Implementation

External regulation (skeptical)

UNIONS:

Implications of downsizing, outsourcing to safety

Privatization

Transition to External Regulation (OSHA and NRC Training)

CONTRACTORS:

Safety as added overhead to operations; "cost-benefit"

Unclear expectations

External regulation (some favor, some do not)



DOE Worker Health And Safety

Strategic Issues

- **Addressing increasing workplace hazards: Deactivation and Decommissioning (D&D), hazardous waste cleanup**
- **Managing multi-employer worksites (subcontractors)**
- **Making ES&H "work" in contracts through incentives**
- **Cost-effective transition to external regulation by OSHA, NRC**
- **Making "Integrated Safety Management" a reality**
- **Establish effective corporate model for ES&H**
- **Finalize Chronic Beryllium Disease Prevention Program Rulemaking**



Future Directions

- **Continue to promote EH-5 as DOE "corporate safety program"**
- **Facilitate both examination of and support to external regulation**
- **Increase meaningful information flow — internal and external, vertical and horizontal**
- **Enhance leverage of technical resources to maximize benefit to DOE; go where the "action" will be**
- **Look for more opportunities to demonstrate that "safety pays"**
- **Strengthen relationships with line management**
- **Identify and act on public health issues (e.g., beryllium)**



REGISTRY OF EXPOSURE INFORMATION

David J. Weitzman, EH-5

IHCC Meeting

October 21, 1998

PURPOSE

- ◆ Establish a Web-Based Registry of DOE Worker Exposure Information
- ◆ Facilitate Analysis of DOE Safety and Health Information
- ◆ Enhance Corporate Level Awareness of Safety and Health Issues

BACKGROUND

- ◆ Many Thousands of Dollars Spent Annually to Sample and Analyze Hazards
- ◆ Resultant Data Only Available to Organizations That Collect It
- ◆ Other Organizations Seeking Data Access Lack Knowledge of Data Location or Existence

BENEFITS

- ◆ The System Will Facilitate:
 - Identification of Significant/Prominent Stressors
 - Quick Evaluation of DOE Occupational Health Hazards
 - Rapid Response to New Hazard Information
 - Networking by Occupational Health Professionals
 - Characterization of Extent and Condition of Data

PROGRAM ACTIVITIES

- ◆ Prepare Project Plan
- ◆ Develop Registry Structure
- ◆ Prepare User Information
- ◆ Develop Web Site
- ◆ Promotion
- ◆ Maintain Registry Custodianship

METHODS

- ◆ Achieve Team Consensus
- ◆ Utilize Lessons Learned with Similar Information Technology Projects/Registries
- ◆ Pilot Test

COORDINATION

- ◆ Other EH Offices
- ◆ HQ Offices (DP, EM, ER)
- ◆ Operations Offices (RL, OAK, RF)
- ◆ Site Contractor Organizations

SUPPORTS EH-5 STRATEGIC PLAN

- ◆ Enhances Corporate H&S Communication
- ◆ Facilitates Corporate Level Analysis
- ◆ Optimizes Efficient Transfer of Information

SCHEDULE

- ◆ Nov. 1 '98 - Complete Project Plan
- ◆ Dec.1 '98 - Research Other Registries
- ◆ Apr. 1 '99 - Draft Registry Structure and User Information
- ◆ Jun. 1 '99 - Final Registry Structure and User Information
- ◆ Jul. 1 '99 - Registry On Line
- ◆ Oct. 1 '99 - Registry Utilization Report (Quarterly Thereafter)



FIELD PROGRAM SHARING

David J. Weitzman, EH-5

IHCC Meeting

October 21, 1998

PURPOSE

- ◆ Communicate DOE's Best Programs
- ◆ Subject Specific, e.g.,
 - Electrical
 - Confined Spaces

BACKGROUND

◆ EH-5

- Recognizes Most Problems Are Solved Somewhere
- Is Aware of Excellent Programs Through ISMS, VPP, EWP
- Is Aware of Shortcomings Through ORPS, EH Residents, Mgt Reviews

BACKGROUND (Cont'd)

- ◆ VPP and OSHWPP Experience
 - Sites Are Eager to Share
- ◆ Gives Positive Visibility and Performance Measure
- ◆ Weak Sites Can Be Motivated to Accept Help

PROGRAM ACTIVITIES

- ◆ Form a HQ/Field Team
- ◆ Describe Field Program Sharing (FPS)
- ◆ Publicize FPS
- ◆ Maintain FPS Structure
- ◆ Maintain Recognition Process

METHODS

- ◆ Team Consensus
- ◆ Review OSHWPP for Lessons Learned
- ◆ Benchmark With Outside Organizations

METHODS (Cont'd)

- ◆ Develop Excellence Criteria, Offerings Format
- ◆ Accept and Validate Offered Programs
- ◆ Put Program Documents on Web Site for Download

COORDINATION

- ◆ Other EH Offices
- ◆ HQ Offices
- ◆ Operations Offices
- ◆ Site Contractor Organizations

COORDINATION (Cont'd)

- ◆ IHCC
- ◆ TRADE
- ◆ EFCOG

SUPPORTS EH-5 STRATEGIC PLAN

- ◆ Enhances Corporate H&S Communication
- ◆ Provides Specialized Assistance in Partnership with DOE Offices
- ◆ Develops Corporate Approach to Communications
- ◆ Optimizes Efficient Transfer of Information

SCHEDULE

- ◆ Dec 1 - Form Team
- ◆ Apr 1 - Draft FPS Description
 - Including Info Technology
- ◆ Jun 1 - Final FPS Description
 - Including Info Technology
- ◆ Jul 1 - FPS On Line
- ◆ Oct 1 - FPS Utilization Report